

No.

9900075



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Inazera Genetics Ltd*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR PLANT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED. (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'GALIL'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fourteenth day of June, in the year two thousand and four.*

Attest:

*RCM Jel*

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

*Am. L. L. L.*

Secretary of Agriculture



Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
HAZERA QUALITY SEEDS Ltd. Genetics 6/8/2004		LINE 0	GALIL
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER 9900075
HAZERA, BRURIM D.N. SHIKMIM 79837 ISRAEL		972-8-8508850	
7. GENUS AND SPECIES NAME		6. FAX (include area code)	FILING DATE
TRITICUM aestivum L.		972-8-850404	November 12, 1998
8. FAMILY NAME (Botanical)		FILING DATE \$ 2450.00 NOV 12, 1998 CERTIFICATION FEE: \$ 432.00 DATE 5/27/2004	FILING AND EXAMINATION FEE:
9. CROP KIND NAME (Common name)			
WHEAT			
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)			
HAZERA: CORPORATION			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION		12. DATE OF INCORPORATION	
ISRAEL		1995	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS		14. TELEPHONE (include area code)	
Meirav Ron MICHAEL KLEIN. HAZERA QUALITY SEEDS Ltd. RESEARCH DEPT. MIVHOR M.P. LAKHISH VAROM 79354 ISRAEL.			
15. FAX (include area code)			
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)			
<p>a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety</p> <p>b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness</p> <p>c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety</p> <p>d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional)</p> <p>e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership</p> <p>f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository)</p> <p>g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)</p>			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)			
<input checked="" type="checkbox"/> YES (If "yes," answer items 18 and 19 below) <input type="checkbox"/> NO (If "no," go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input checked="" type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES?			
<input type="checkbox"/> YES (If "yes," give names of countries and dates) <input checked="" type="checkbox"/> NO			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.			
The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.			
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
Michael Klein			
NAME (Please print or type)		NAME (Please print or type)	
MICHAEL KLEIN			
CAPACITY OR TITLE In charge of registration and protection of HAZERA varieties 3.11.98		CAPACITY OR TITLE	
		DATE	



**HAZERA Quality Seeds  
Research Department**

Mivhor M.P. Lachish Darom 79354, Israel

Tel.: (972) 7 - 6878111

Fax: (972) 7 - 6814057

**AUTHORIZATION**

Hazera Quality Seeds of Brurim, D.N. Shikmim 79837, Israel, a company duly incorporated in Israel (hereinafter: "the company"), hereby grants full authorization to:

Michal Klein

I.D. NO. 013289210

In order to:

Act on its behalf for the purpose of obtaining registrations for new varieties in the national lists and in plant breeders rights register, for that purpose to do any of the following acts:

1. Prepare, sign and submit all necessary documents.
2. Appear and represent the company before all councils and authorities.
3. Accept all documents.
4. Generally do all that the company is able, competent and obliged to do.

In witness whereof I have hereun to signed:

Hazera Quality Seeds Ltd.

By : 

Eli Hadomi, General Manger

Date: 7/10/98

**Application No. 9900075, common wheat, GALIL**

**EXHIBIT A : Origin and Breeding History of the Variety**

**Pedigree :** HORK/YMH//KAL/BB/3/BOW'S'

HORK = HOP/RON//KAL CM 8874. CIMMYT 1974.

YMH = YAMHILL

KAL = KALYANSONA PJ62/GB55, INDIA.

BB = BLUEBIRD, CIMMYT, 1969.

BOW'S' = BOBWHITE CM33203, CIMMYT 1977.

**Selection Criteria** - at 4 subsequent years :

1. spike length
2. no. of spikelets.
3. Straw hardness
4. Heading time
5. Plant height
6. Leaf rust resistance

Yield tests for 3 years at four locations.

**Evidence of Uniformity and Stability :**

The variety was observed for uniformity and stability for four years.

All off-types if any were discarded.

Few variants were found each year (About 0.1%). the variants are similar to the variety except for plant height, variant's height is around 5 cm taller.

**EXHIBIT B – WHEAT GALIL (LINE D)****Statement of Distinctness:**

- Spring wheat
- Lodging resistance even in tough conditions
- Resistance to yellow rust, stem rust, leaf rust
- Low susceptibility to septoria
- Maturity – medium - late
- High yielding

'Galil' and 'Dariel' are most similar.

**Differences between the application variety and other similar varieties of GALIL:**

MAH  
4/19/2004

**1. Galil vs Atir (Hazera):**

**1st. GALIL is higher yielding variety**  
**supportive data:**

1. Official wheat variety tests, conducted by the Israeli ministry of Agriculture, published in: "Gan Sade Vameshek" 9/2000.

The Israeli commercial varieties were tested in "Saad". Seeding date: 28.11.98.

Emergence date 15.12.98 under irrigation. The test included 15 varieties, in 8 blocks. Each block contained replication of all varieties. 36 square meters for each plot. Density of 120 Kg of seeds per hectare.

A range test according to: S.N.K = 0.005

Results (page – 7)

Atir = 7.193 tons/hectare

Galil = 8.169 tons/hectare

(significant difference).

2. official wheat variety tests, conducted by the Israeli ministry of agriculture, published in: "GAN SADE VAMESHEK", April 1997. Israeli commercial varieties were tested in : MAOZ – HAIM.

Seeding date: 19.11.96. emergence: 28.11.96.

The test was conducted in random blocks, 17 varieties at 6 replications. 60 square meters per plot. Statistical analysis as mentioned in the previous test.

Results : page – 16, "GAN SADE VAMESHEK", (April, 1997):

Galil = 6.42 tons/hectare

Atir = 5.93 tons/hectare  
(significant difference)

**B. GALIL heading is later than Atir earlier than Dariel**

1. official wheat variety tests, conducted by the israeli ministry of agriculture, published: "GAN SADE VAMESHEK" 9/2000.

Page – 7. (the same test as in section A1, exhibit – B, above:

Days from emergence to heading:

Atir = 84 days

Galil = 92 days

GALIL heading is earlier than Dariel, the same test.

Dariel = 97 days.

2. official wheat variety tests, conducted by the israeli ministry of agriculture, published: "Gan sade vamishek", april 1997.

(the same test as in section A2, exhibit-B) days from emergence to heading:

Atir : 80

Galil : 89

Dariel : 96

- C) GALIL color is significantcy darker than the color of variety Dariel (Hazera) and Lighter than variety Negev (Hazera).**

Variety color was tested in "Dagan" milling station, Bne-Brak, israel, december 2000, by the method of KJ (kent jones 76)

Results: GALIL = 5.7

Dariel = 2

Galil = 3

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TABLE OF RESISTANCIES OF ISRAELI VARIETIES : NEGEV , GALIL , ATIR , DARIEL  
AGAINST ISRAELI ISOLATES WITH A DIFFERENT VIRULENCE PATTERNS .

ISOLATE No.	Leaf rust 2000- 2001							
	DARIEL 2000	DARIEL 2001	ATIR 2000	ATIR 2001	GALIL 2000	GALIL 2001	NEGEV 2000	NEGEV 2001
#1010	R	R	R	R	R	R	R	R
#352	R	R	R	R	R	R	R	R
#364	R	R	R	R	R	R	R	R
#486	R	YR	R	YR	R	R	R	YR
#524	S	S	S	S	S	S	S	S
#558	R	R	R	R	R	R	R	R
#572	R	R	R	R	R+	R+	R	R
#631	R	R	R	R	R	R+	R	R
#649	R	R	R	R	R	S	R	R
#697	S	S	S	S	S	S	S	S

ISOLATE No.	Yellow rust 2000 - 2001							
	DARIEL 2000	DARIEL 2001	ATIR 2000	ATIR 2001	GALIL 2000	GALIL 2001	NEGEV 2000	NEGEV 2001
239	S	R+	R	R	R	R	S	S
241	R+	R+	R	R	R	R	S	S
5005	S		R		S		S	
5006		S		S		S		S
5025	S	S	R	S	S	S	S	S
5046	S	R	R	R+	S	S	S	S
5157	S	S	R	R+	S	S	S	S
5209	S	S	R	R	S	S	S	S
5294	S	S	R	R	S	S	S	S
5331		S		R+		R	S	
5341	S	S	R	R	S	S	S	S
5422		S		S		R		S
5334		S		S		S		S
5436		S		S		S		S
5460		S		S		S		S
5468	R+		S		S		S	
5478	S		R		S		S	
5480	S		R		S		S	
5483	S		S		S		S	
5493	S		R		S		S	

ISOLATE No.	Stem rust 2000 2001							
	DARIEL 2000	DARIEL 2001	ATIR 2000	ATIR 2001	GALIL 2000	GALIL 2001	NEGEV 2000	NEGEV 2001
2001			R	R+	R	R	R	R+
2006	S	S	R	R	R	R	S	S
2008			R	R	R	R	S	S
2009	S		R	R	R	R	R+	R
2010	S	S	R	R	R	R	S-	R
2017	S	S	R	R	R	R	S-	S
2028	S		R		R		R	
2036	S	S	R	R	R	R	R	S
2042	S	S	R	R	R	R	S-	S
2043	S		R	R	R	R	R+	R

OBJECTIVE DESCRIPTION OF VARIETY  
WHEAT (*Triticum* spp.)

9900075

NAME OF APPLICANT(S)

HAZERA QUALITY SEEDS LTD.

FOR OFFICIAL USE ONLY

ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)

HAZERA QUALITY SEEDS  
BRURIM - M.P. SHIKMIM 79837  
ISRAEL

TEL: 972-8-8508826// FAX: 972-8-8502404

PVPO NUMBER

VARIETY NAME

GALIL (LINE D)

TEMPORARY OR EXPERIMENTAL  
DESIGNATION

PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in the first box (e.g.,    or   ) when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: \_\_\_\_\_  
Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1

1=Common

2=Durum

3=Club

4=Other (SPECIFY) \_\_\_\_\_

2. VERNALIZATION:

1

1=Spring

2=Winter

\*3=Other (SPECIFY) \_\_\_\_\_

3. COLEOPTILE ANTHOCYANIN:

1

1=Absent

2=Present

4. JUVENILE PLANT GROWTH:

2

1=Prostrate

2=Semi-erect

3=Erect

5. PLANT COLOR (boot stage):

2

1 = Yellow-Green

2 = Green

3 = Blue-Green

6. FLAG LEAF (boot stage):

1

1 = Erect

2 = Recurved

1

1 = Not Twisted

2 = Twisted

7. EAR EMERGENCE:

Number of Days Earlier Than \_\_\_\_\_

10

Number of Days Later Than YECORA ROSO

8. ANTER COLOR:

1

1 = YELLOW

2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns):

85

cm Taller Than \_\_\_\_\_

cm Shorter Than \_\_\_\_\_



## 10. STEM:

## A. ANTHOCYANIN

☒ 1

1=Absent

2=Present

## B. WAXY BLOOM

☒ 1

1=Absent

2=Present

## C. HAIRINESS (last internode of rachis)

☒ 1

1=Absent

2=Present

## D. INTERNODE (SPECIFY NUMBER)

☒ 2

1=Hollow

2=Semi-solid

3=Solid

## E. PEDUNCLE

☒ 1

1=Absent

2=Present

☐

cm Length

## 11. HEAD (at Maturity):

## A. DENSITY

☒ 3

1=Lax

2=Mid-dense

3=Dense

## B. SHAPE

☒ 1

1=Tapering

2=Strap

3=Clavate

4=Other (SPECIFY) \_\_\_\_\_

## C. CURVATURE

☒ 2

1=Erect

2=Inclined

3=Recurved

## D. AWNEDNESS

☒ 4

1=Awnless

2=Apically Awnletted

3=Awnletted

4=Awned

## 12. GLUMES (at Maturity):

## A. COLOR

☒ 2

1=White

2=Tan

3=Other (SPECIFY) \_\_\_\_\_

## B. SHOULDER

☒ 3

1=Wanted

2=Oblique

3=Rounded

4=Square

5=Elevated

6=Apiculate

## C. BEAK

☒ 3

1=Obtuse

2=Acute

3=Acuminate

## D. LENGTH

☒ 2

1=Short (ca. 7mm)

2=Medium (ca. 8mm)

3=Long (ca. 9mm)

## E. WIDTH

☒ 2

1=Narrow (ca. 3mm)

2=Medium (ca. 3.5mm)

3=Wide (ca. 4mm)

## SEED:

## A. SHAPE

☒ 3

1=Ovate

2=Oval

3=Elliptical

## B. CHEEK

☒ 1

1=Rounded

2=Angular

## C. BRUSH

☒ 1

1=Short

2=Medium

3=Long

## D. CREASE

☒ 1

1=Width 60% or less of Kernel

2=Width 80% or less of Kernel

3=Width Nearly as Wide as Kernel

☐ 1

1=Not Collared

2=Collared

☒ 2

1=Depth 20% or less of Kernel

2=Depth 35% or less of Kernel

3=Depth 50% or less of Kernel

9900075

Sub C (Wheat) P.

13. SEED: (continued)

E. COLOR

☒ 4 1 = White 2 = Amber 3 = Red 4 = Other (SPECIFY) Very light brown

F. TEXTURE

☒ 1 1 = Hard 2 = Soft

G. PHENOL REACTION (see instructions):

☒ 0 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black  
0 = Not Tested

14. DISEASE:

(0 = Not Tested; 1 = Susceptible; 2 = Resistant; 3 = Intermediate; 4 = Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

Stem Rust (*Puccinia graminis* f. sp. *tritici*)

☒ 4

Stripe Rust (*Puccinia striiformis*)

☒ 2 EXCEPT TOLERANCE TO YR9

Tan Spot (*Pyrenophora tritici-repentis*)

☒ 0

Halo Spot (*Selenophoma donacis*)

☒ 0

Septoria nodorum (Glume Blotch)

☒ 0

Septoria avenae (Speckled Leaf Disease)

☒ 0

Septoria tritici (Speckled Leaf Blotch)

☒ 4 398, 8036

Scab (*Fusarium* spp.)

☒ 0

"Black Point" (Kernel Smudge)

☒ 0

Barley Yellow Dwarf Virus (BYDV)

☒ 0

Soilborne Mosaic Virus (SBMV)

☒ 0

Wheat Yellow (Spindle Streak) Mosaic Virus

☒ 0

Wheat Streak Mosaic Virus (WSMV)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

Leaf Rust (*Puccinia recondita* f. sp. *tritici*)

☒ 2 LR24, LR26

Loose Smut (*Ustilago tritici*)

☒ 0

Flag Smut (*Urocystis agropyri*)

☒ 0

Common Bunt (*Tilletia tritici* or *T. laevis*)

☒ 0

Dwarf Bunt (*Tilletia controversa*)

☒ 0

Karnal Bunt (*Tilletia indica*)

☒ 0

Powdery Mildew (*Erysiphe graminis* f. sp. *tritici*)

☒ 0

"Snow Molds"

☒ 0

Common Root Rot (*Fusarium*, *Cochliobolus* and *Bipolaris* spp.)

☒ 0

Rhizoctonia Root Rot (*Rhizoctonia solani*)

☒ 0

Black Chaff (*Xanthomonas campestris* pv. *translucens*)

☒ 0

Bacterial Leaf Blight (*Pseudomonas syringae* pv. *syringae*)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

☒ 0

Other (SPECIFY)

PLEASE SPECIFY BIOTYPE (where needed)

- Hessian Fly (*Mayetiola destructor*)  
☒ \_\_\_\_\_
- Stem Sawfly (*Cephus* spp.)  
☒ \_\_\_\_\_
- Cereal Leaf Beetle (*Oulema melanopa*)  
☒ \_\_\_\_\_
- Russian Aphid (*Diuraphis noxia*)  
☒ \_\_\_\_\_
- Greenbug (*Schizaphis graminum*)  
☒ \_\_\_\_\_
- Aphids  
☒ \_\_\_\_\_

- Other (SPECIFY) \_\_\_\_\_  
☐ \_\_\_\_\_
- Other (SPECIFY) \_\_\_\_\_  
☐ \_\_\_\_\_
- Other (SPECIFY) \_\_\_\_\_  
☐ \_\_\_\_\_
- Other (SPECIFY) \_\_\_\_\_  
☐ \_\_\_\_\_
- Other (SPECIFY) \_\_\_\_\_  
☐ \_\_\_\_\_
- Other (SPECIFY) \_\_\_\_\_  
☐ \_\_\_\_\_

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

**Exhibit – D.**

quality tests conducted by SAGL: South African Grain laboratory, by Ms. Corlia butendag, brumeria pretotia reg, no. 97 – 18519108.

Email: [sagl@mwib.co.za](mailto:sagl@mwib.co.za) [www.sagl.co.za](http://www.sagl.co.za)

Testing date: 16.02.01

	negev	Galil	Atir	Dariel
Flour protein % (12%mb) aacc 46-30, 1995	10.3	9.4	10.9	11.2
Flour falling no. sec. (icc 107/1, 1995)	351	287	364	224
Extraction, % buhler (aacc 26-214A, 1994)	72.5	73.3	72.0	72.5
Flour noisture % 1 hour oven (icc 110/1, 1996)	14.7	14.8	14.9	14.7
Farinogram (icc 115/1, 1992)				
Absorbtion %	56.7	56.6	56.5	58.5
Development time (min)	1.7	1.7	1.9	2.0
Stability, min.	4.2	6.4	9.0	9.0
Alveogram (icc 121, 1992)				
Strength, cm 2	35.3	29.5	35.3	47.1
Stability, mmx 1.1	81	80	66	96
Distensibility, mm	85	73	134	99
P/I value	0.96	1.1	0.49	0.98
Baking test (100 gr) (aacc 10-10 b, 1995)				
loaf volume, cm3	695	680	750	780

EXHIBIT E  
STATEMENT OF THE BASIS OF OWNERSHIP

1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.  
Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)  HAZERA <del>QUALITY SEEDS</del> LTD. genetics msh 6/8/2004	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  LINE D	3. VARIETY NAME  GALIL
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)  HAZERA, BRUAIM D.N. SHIKMIM 79837 ISRAEL	5. TELEPHONE (include area code)  972-8-8508850	6. FAX (include area code)  972-8-8502404
	7. PVPO NUMBER  9900075	

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain.

☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company?

If no, give name of country ISRAEL

☐ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

☐ YES ☐ NO If no, give name of country \_\_\_\_\_

b. If original rights to variety were owned by a company, is the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country \_\_\_\_\_

11. Additional explanation on ownership (If needed, use reverse for extra space):

HAZERA is the applicant, breeder and maintainer  
of this wheat variety GALIL.

LEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.



**HAZERA Quality Seeds  
Research Department**

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**AUTHORIZATION**

Hazera Quality Seeds of Brurim, D.N. Shikmim 79837, Israel, a company duly incorporated in Israel (hereinafter: "the company"), hereby grants full authorization to:

Michal Klein

I.D. NO. 013289210

In order to:

Act on its behalf for the purpose of obtaining registrations for new varieties in the national lists and in plant breeders rights register, for that purpose to do any of the following acts:

1. Prepare, sign and submit all necessary documents.
2. Appear and represent the company before all councils and authorities.
3. Accept all documents.
4. Generally do all that the company is able, competent and obliged to do.

In witness whereof I have hereun to signed:

Hazera Quality Seeds Ltd.

By : 

Eli Hadomi, General Manger

Date: 7/10/98